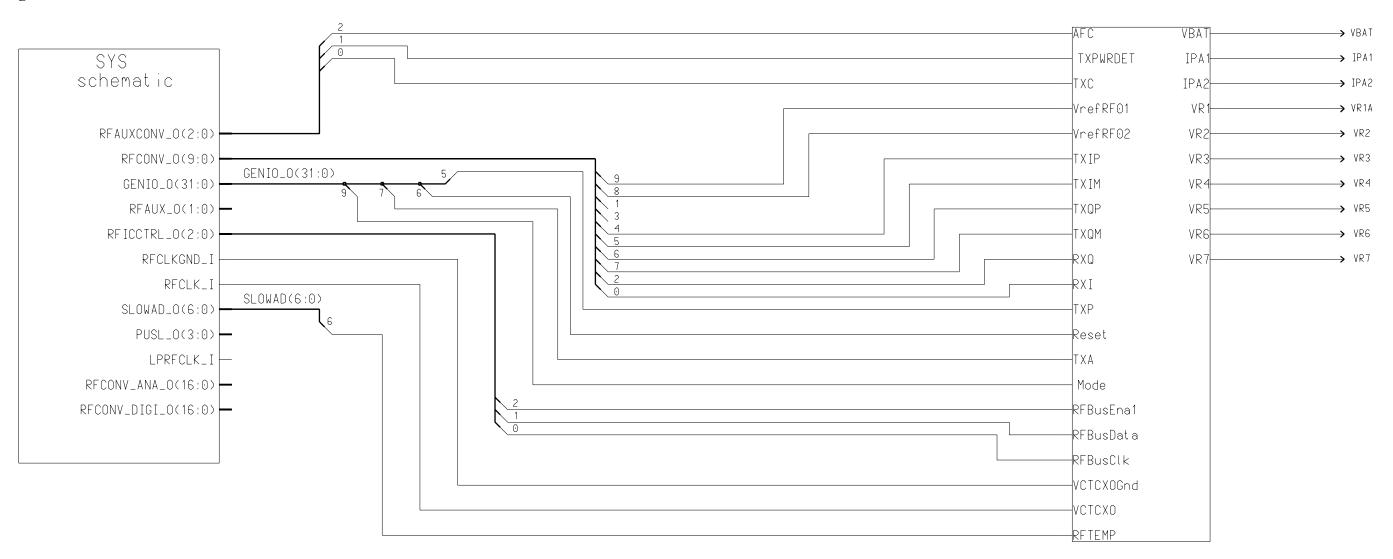
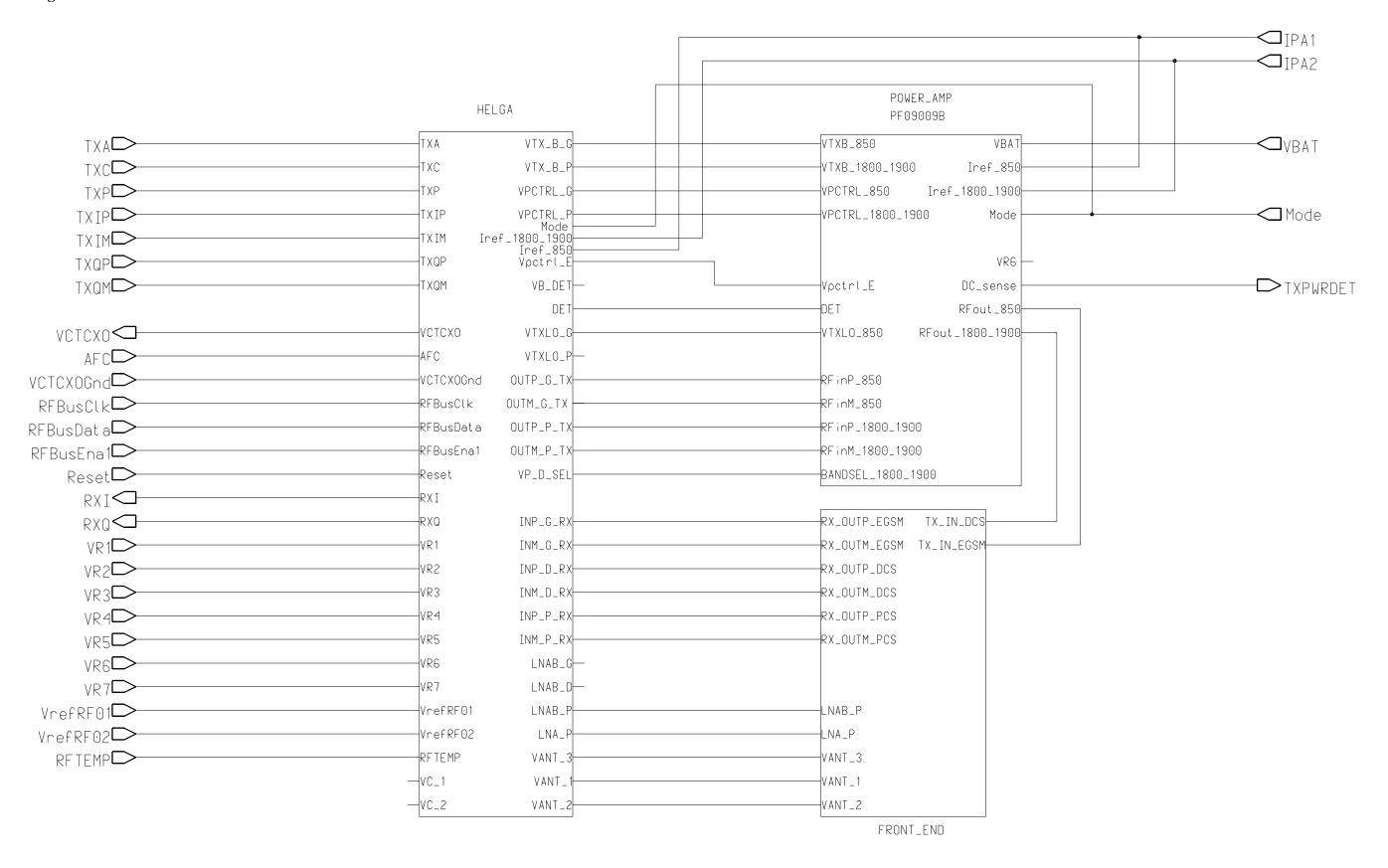
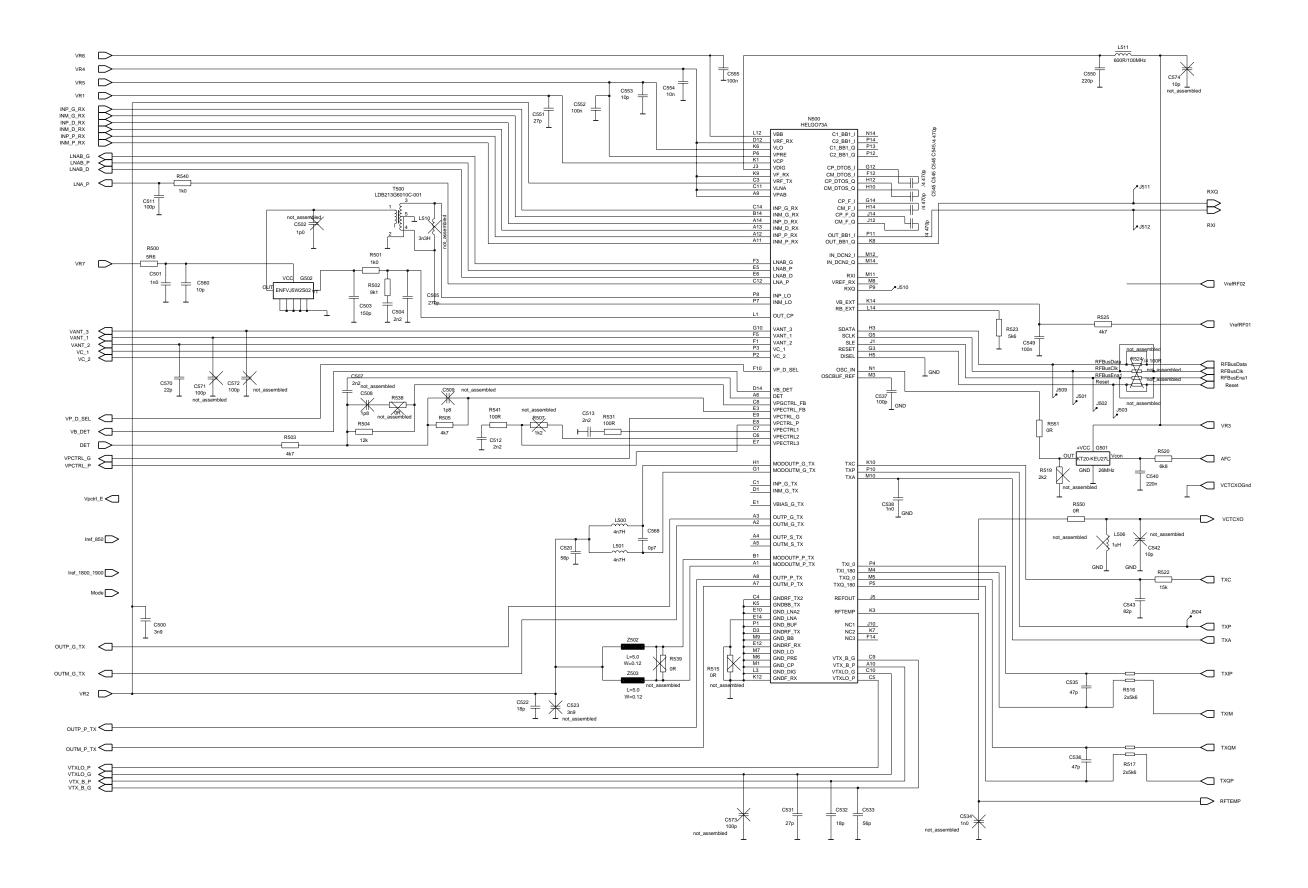
Block diagram



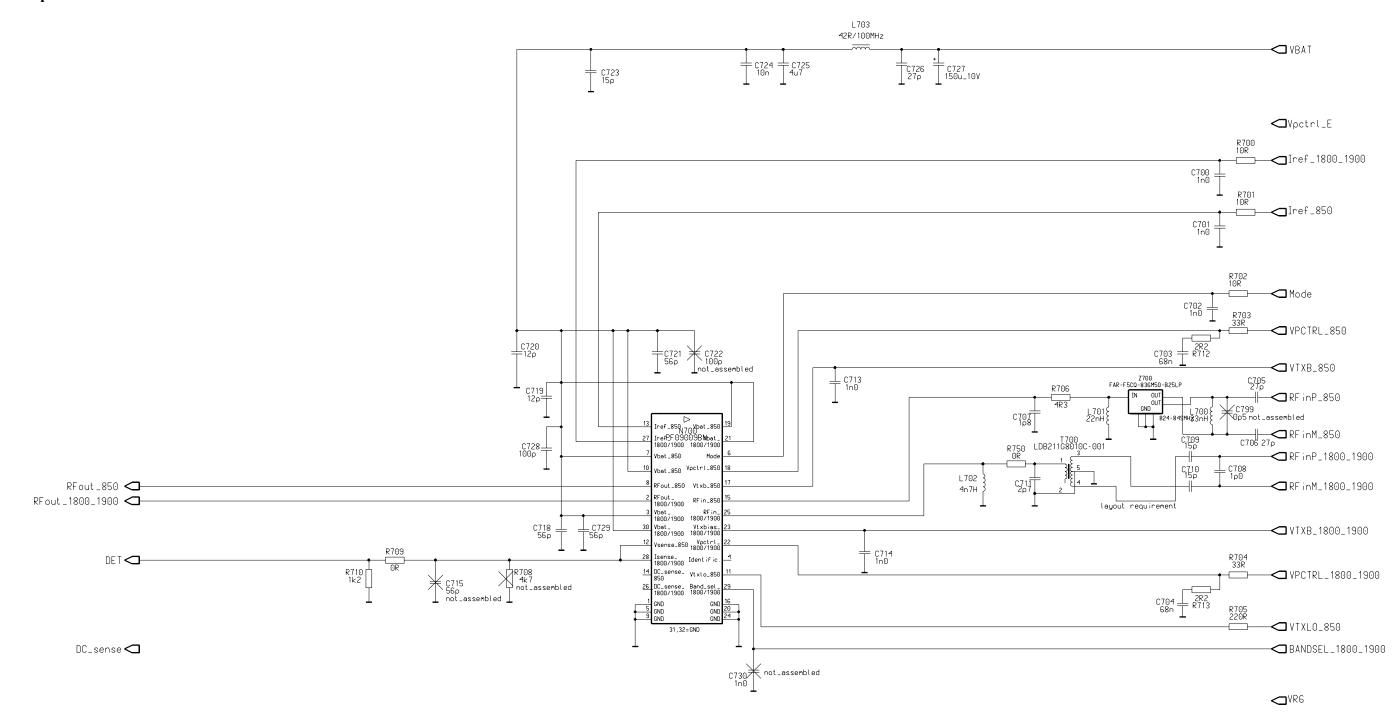
RF Block Diagram



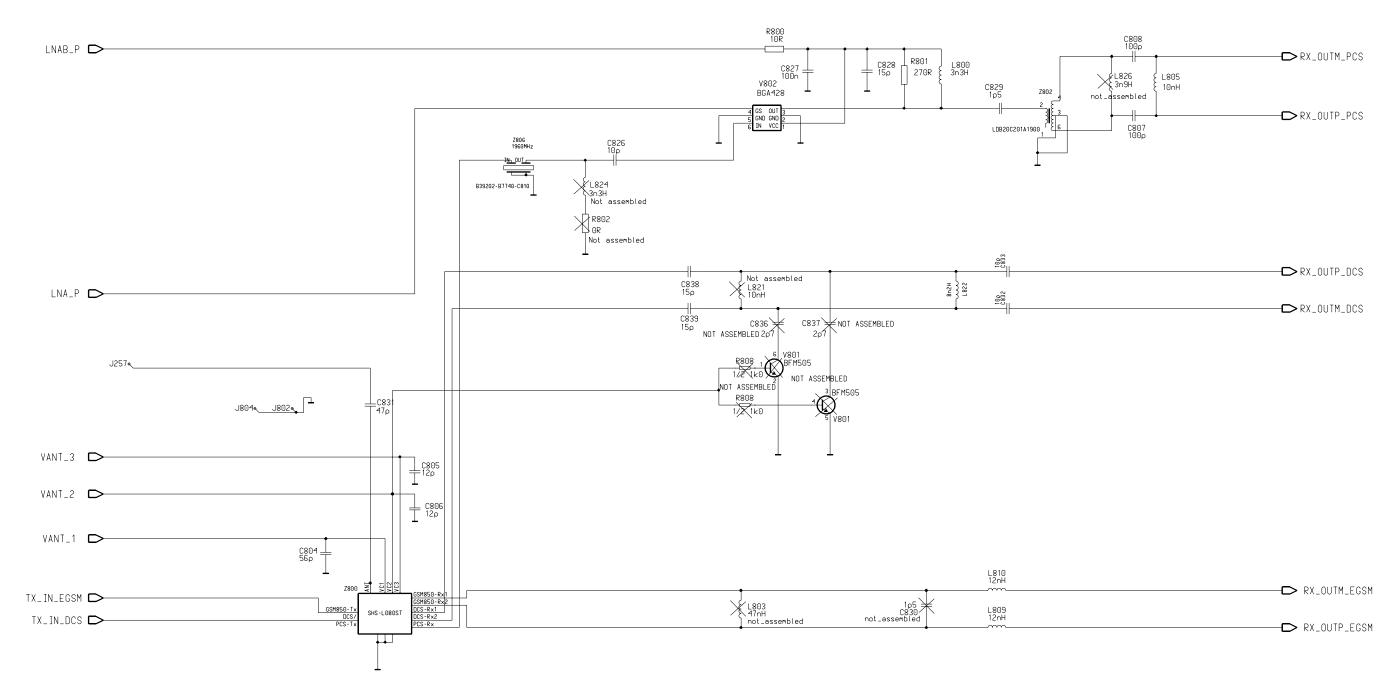
RF IC Helgo



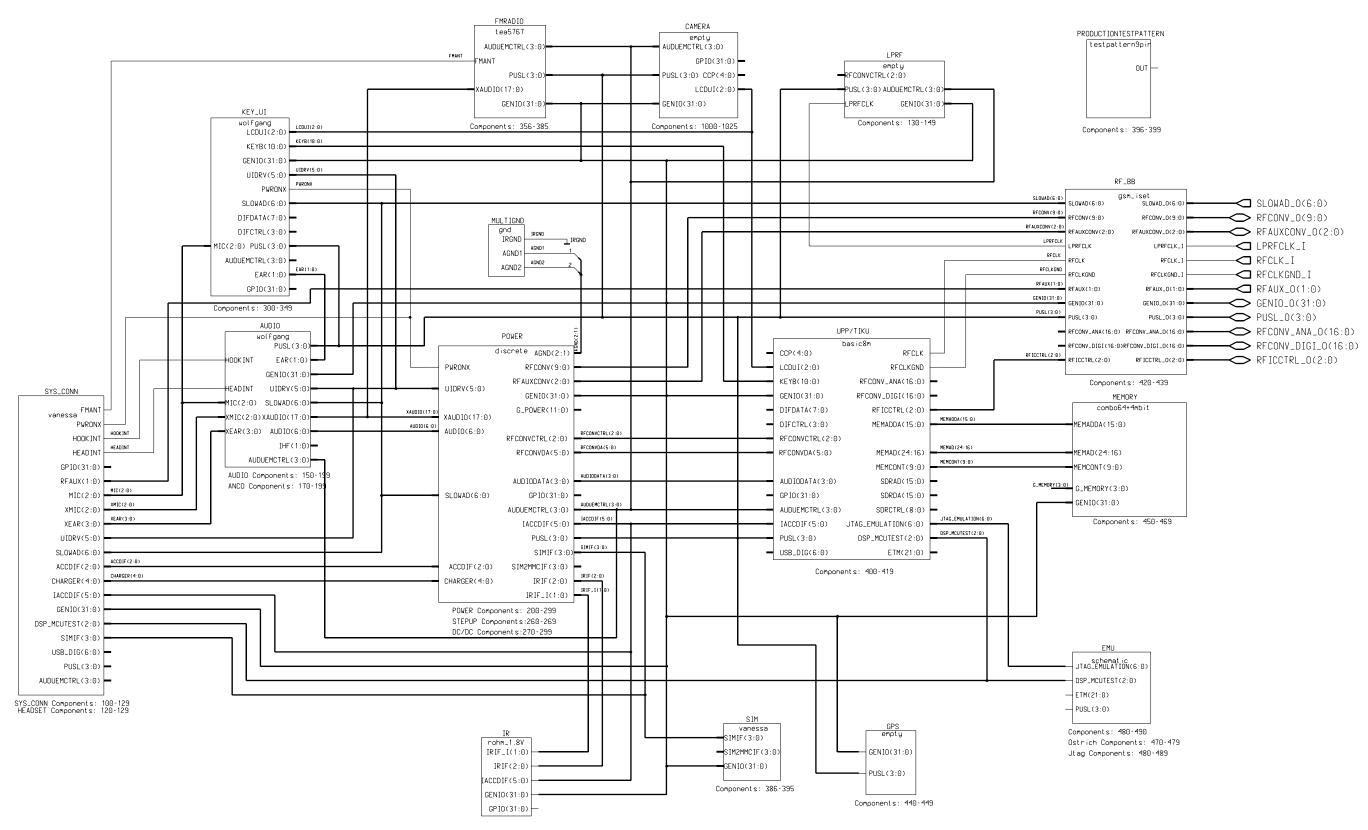
Power Amplifier Detection



RX Front End and Antenna Switch

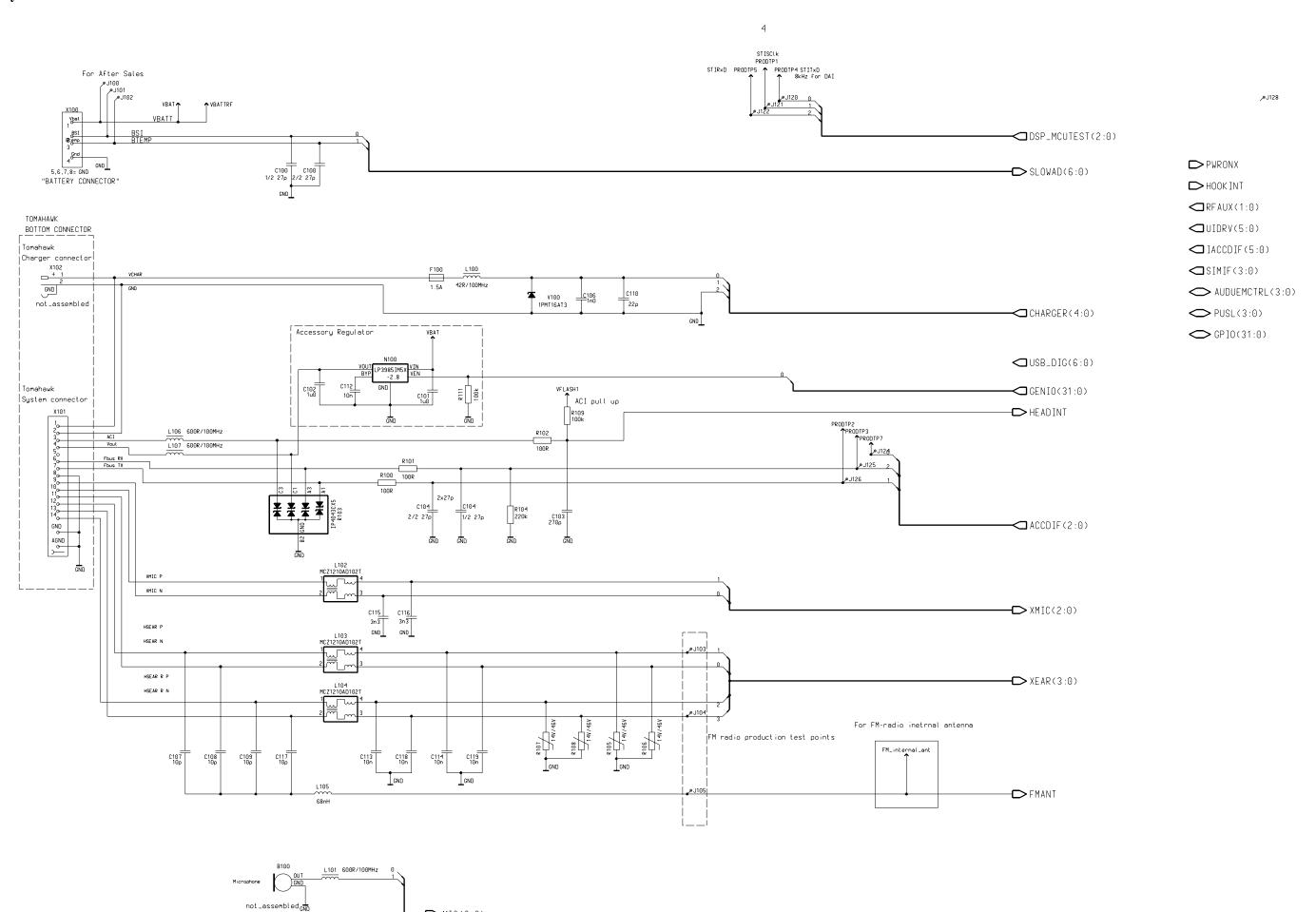


BB Block Diagram



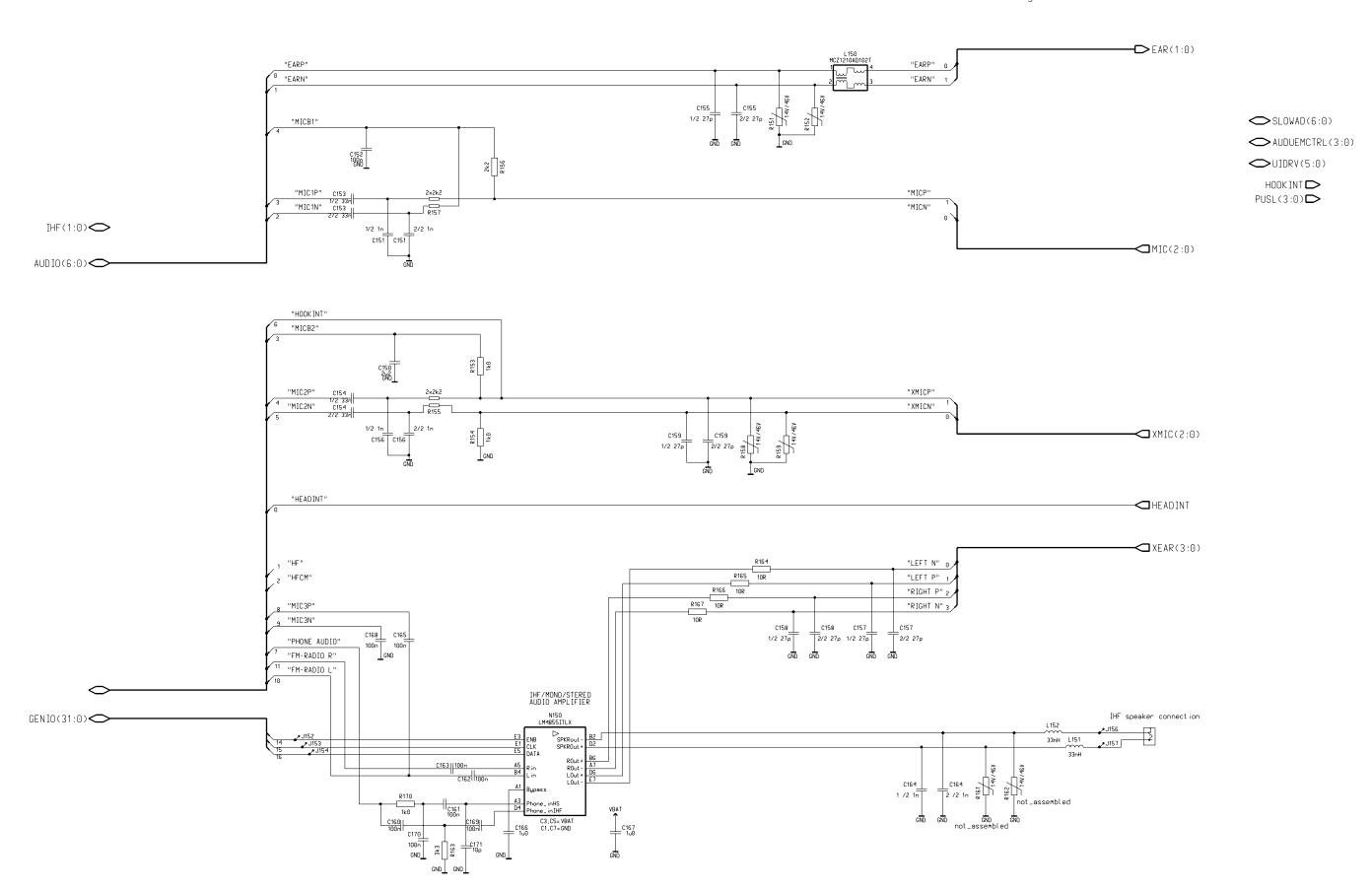
Components: 350-355

System Connector



─ MIC(2:0)

5



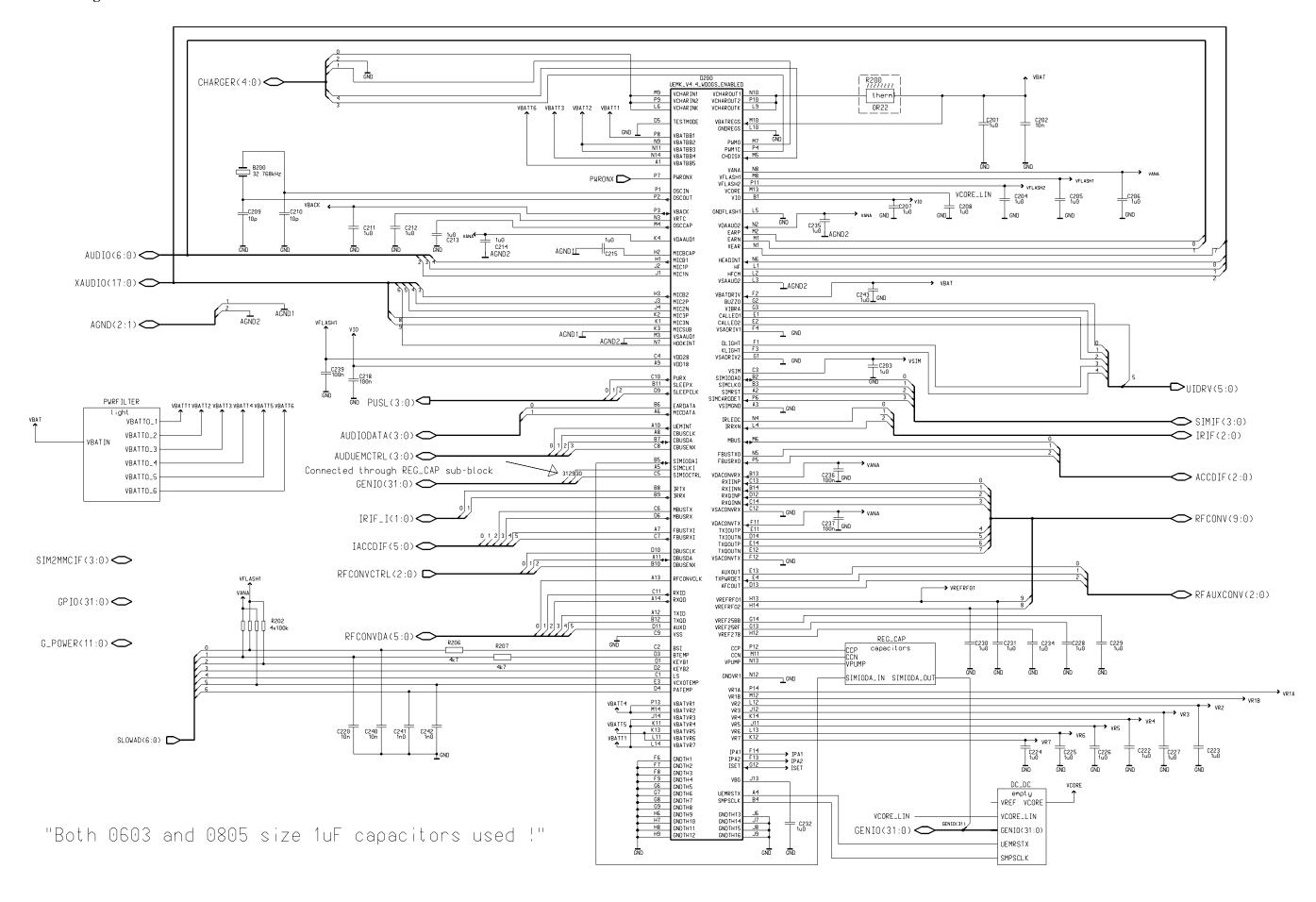
User Interface

LCD Connector AUDUEMCTRL(3:0) GENIO(31:0) LCDUI(2:0) GPIO(31:0) DIFDATA(7:0) DIFCTRL(3:0) B-TO-B CONNECTOR x301 KEYB(10:0) UIDRV(5:0)**□** NOT FINAL ! White LED driver for display/keyboard Vibra Motor Note! Must be located near battery connector on bottom side. SLOWAD(6:0) PWRONX -EAR(1:0)

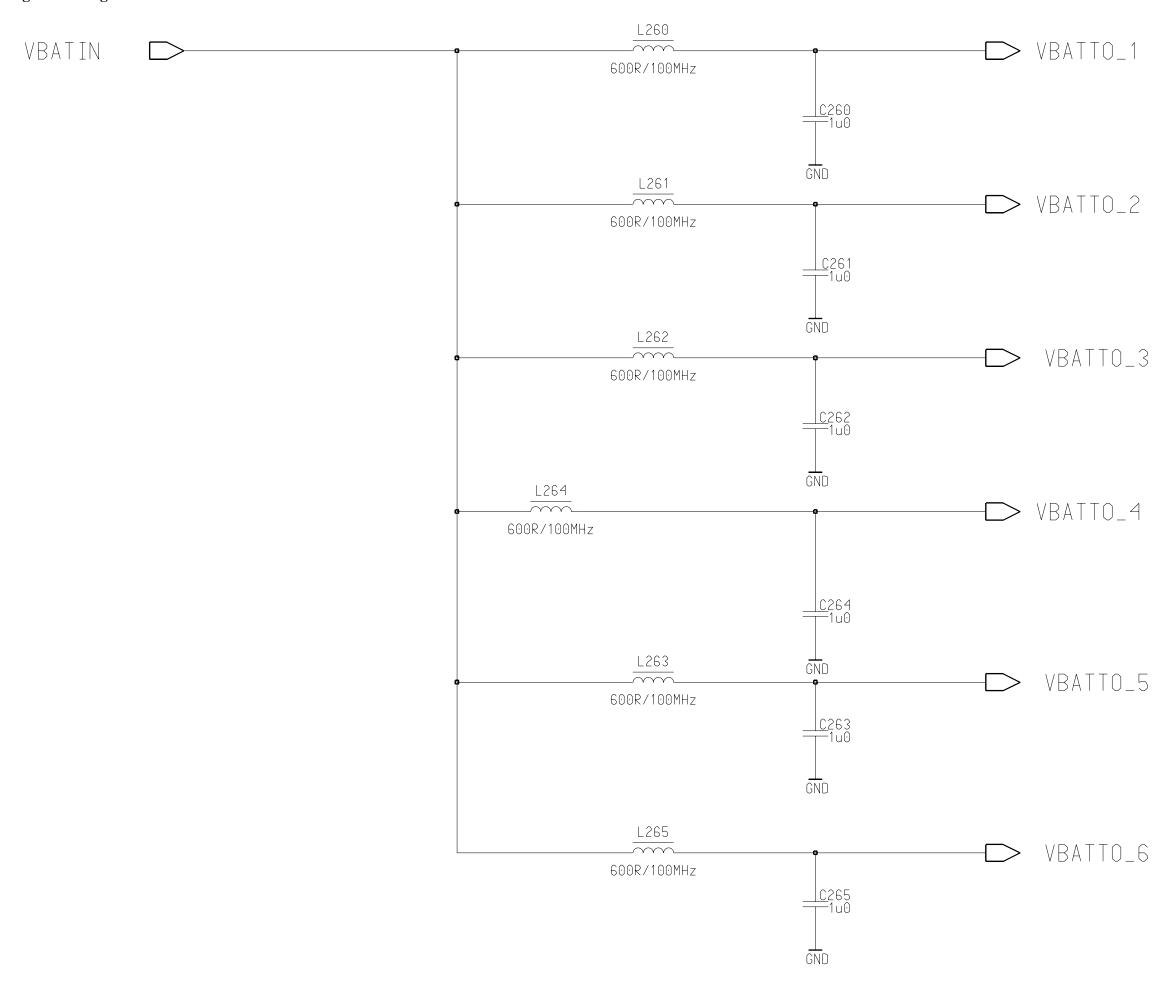
→MIC(2:0)

PUSL(3:0)**▷**

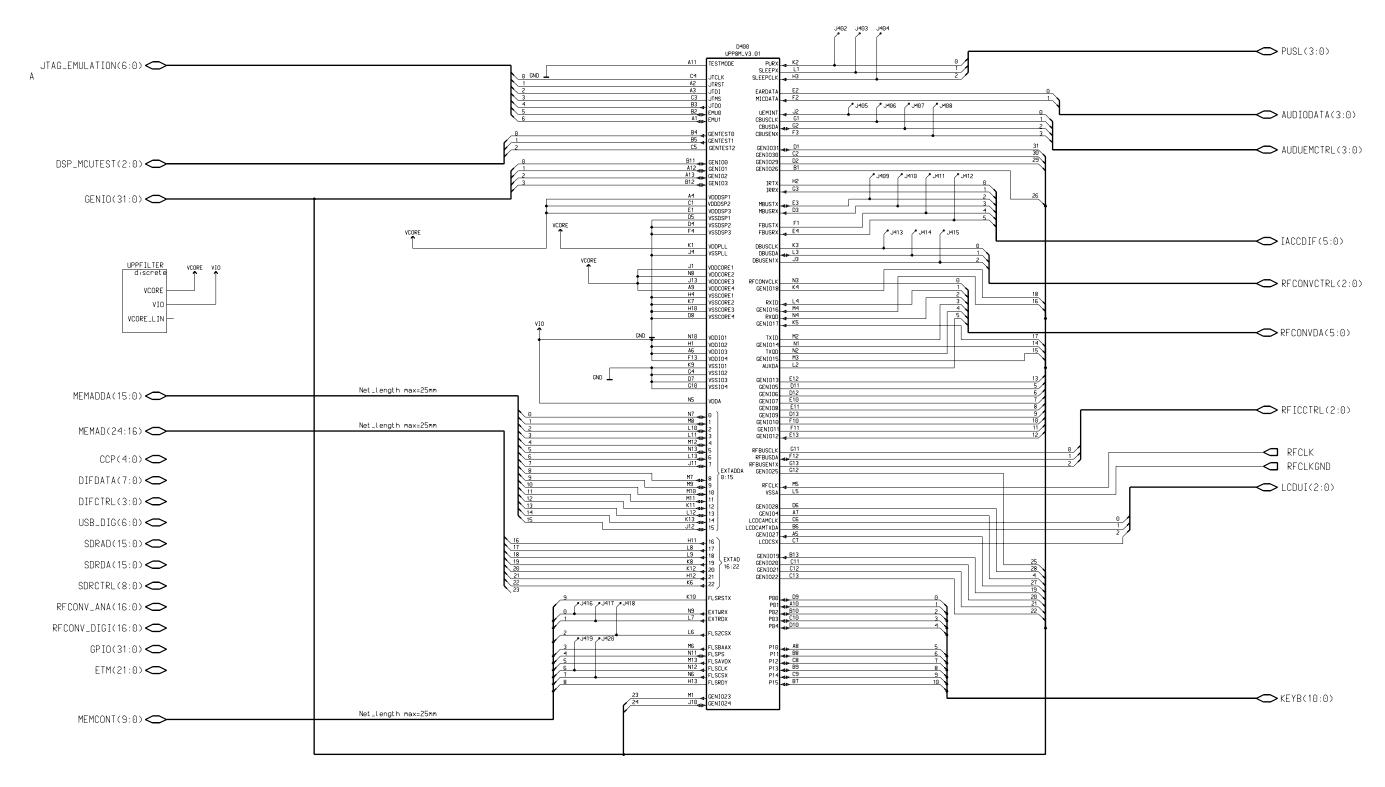
Power Management



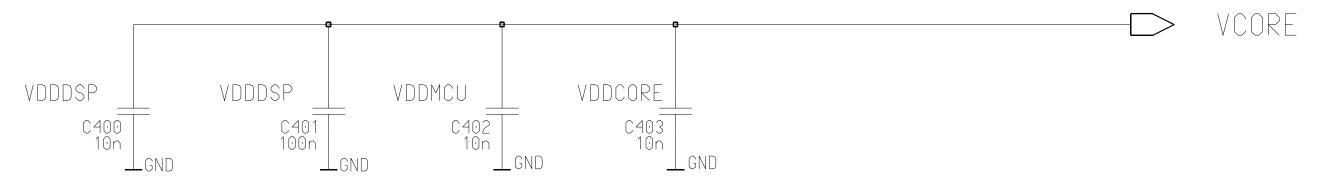
Light Filtering



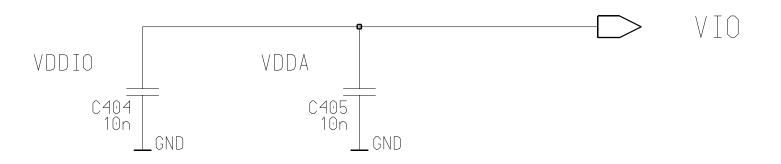
UPP 8M



UPP Decoupling Capacitors

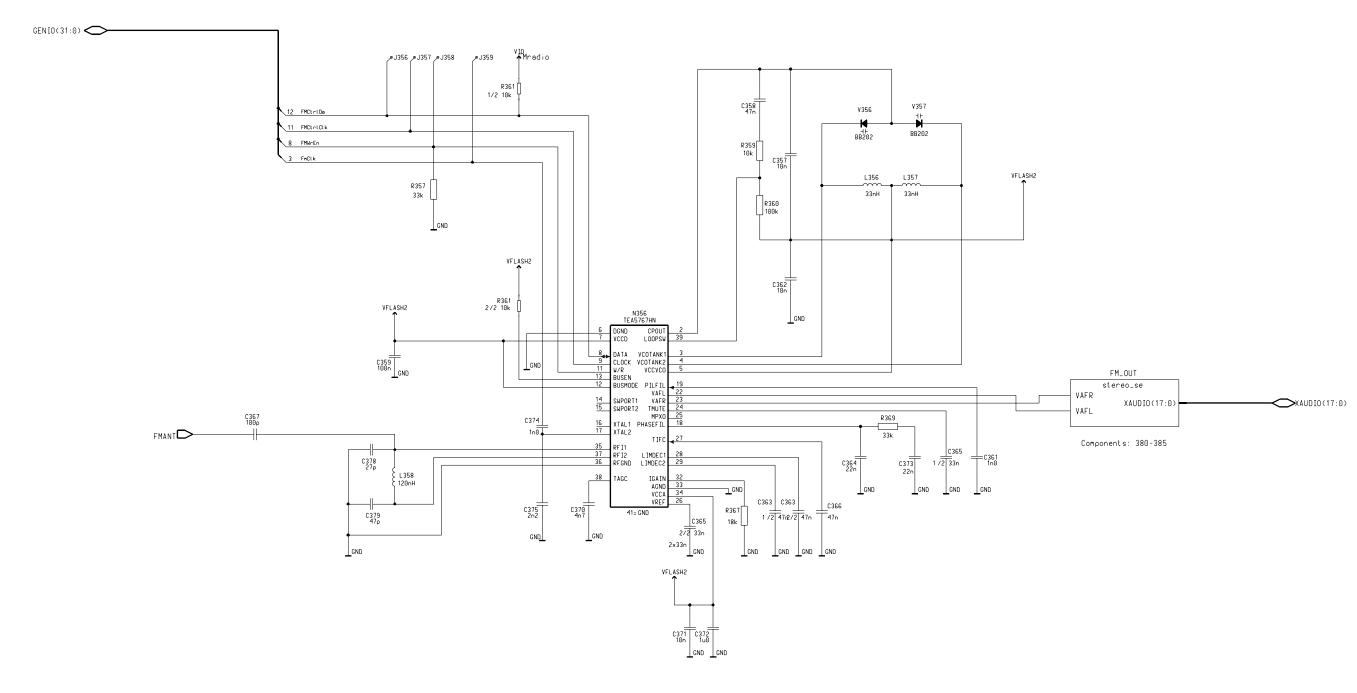


> VCORE_LIN



FM Radio IC

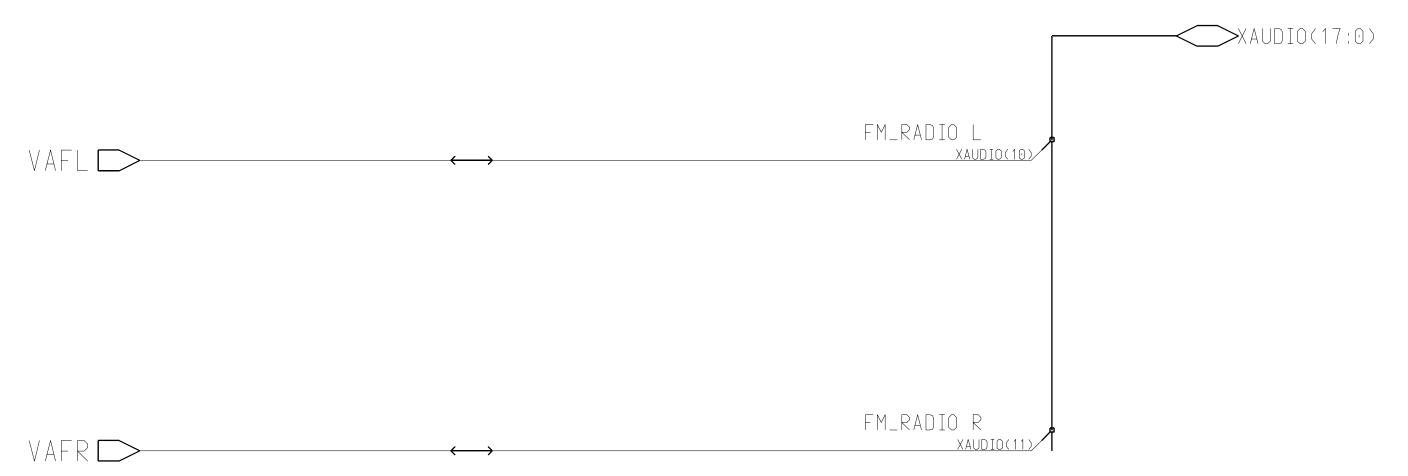




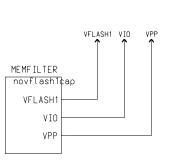
AUDUEMCTRL(3:0) D

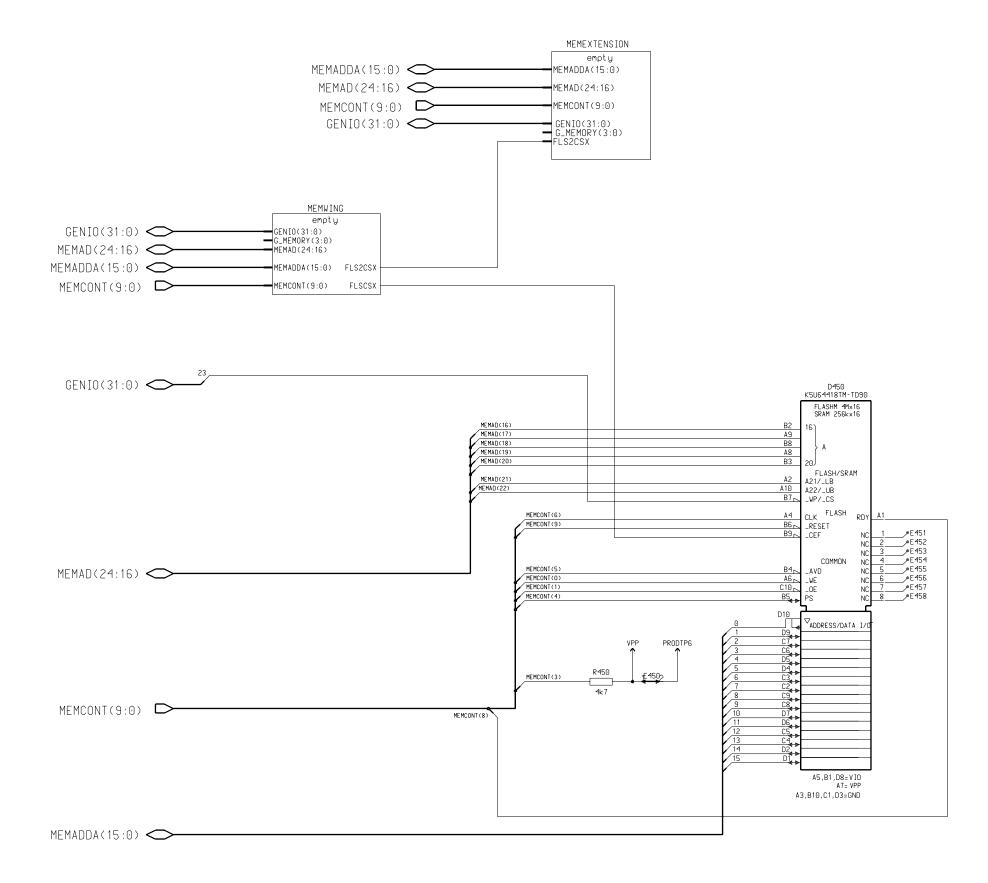
Notice:

C374 (1n0) and C375 (2n2) are configured for 32kHz reference clock If reference clock is 6.5MHz, use C374 (3p9) and C375 (10p) FM Radio Unit



Combo Memory



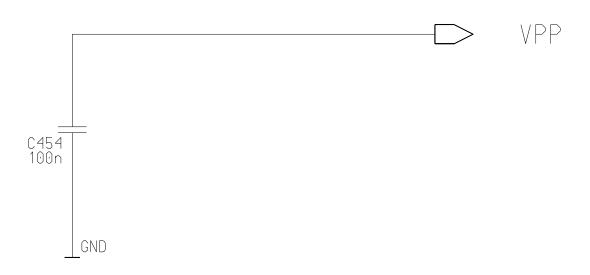


 $G_MEMORY(3:0)$

Combo Decoupling Capacitors



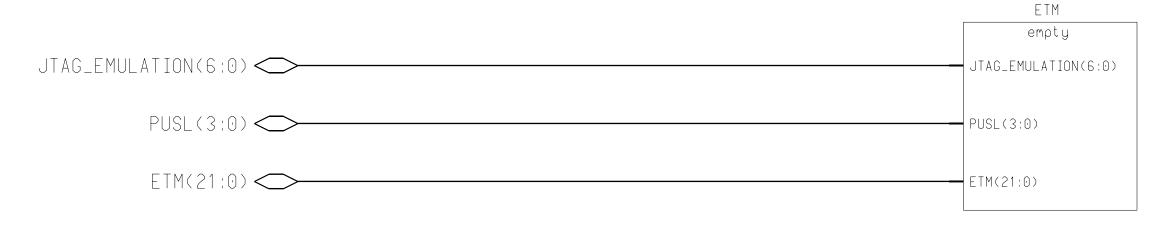
> VFLASH1



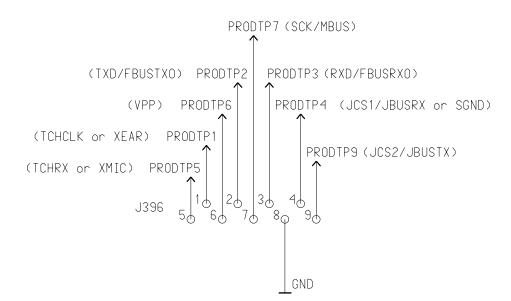
Emulators



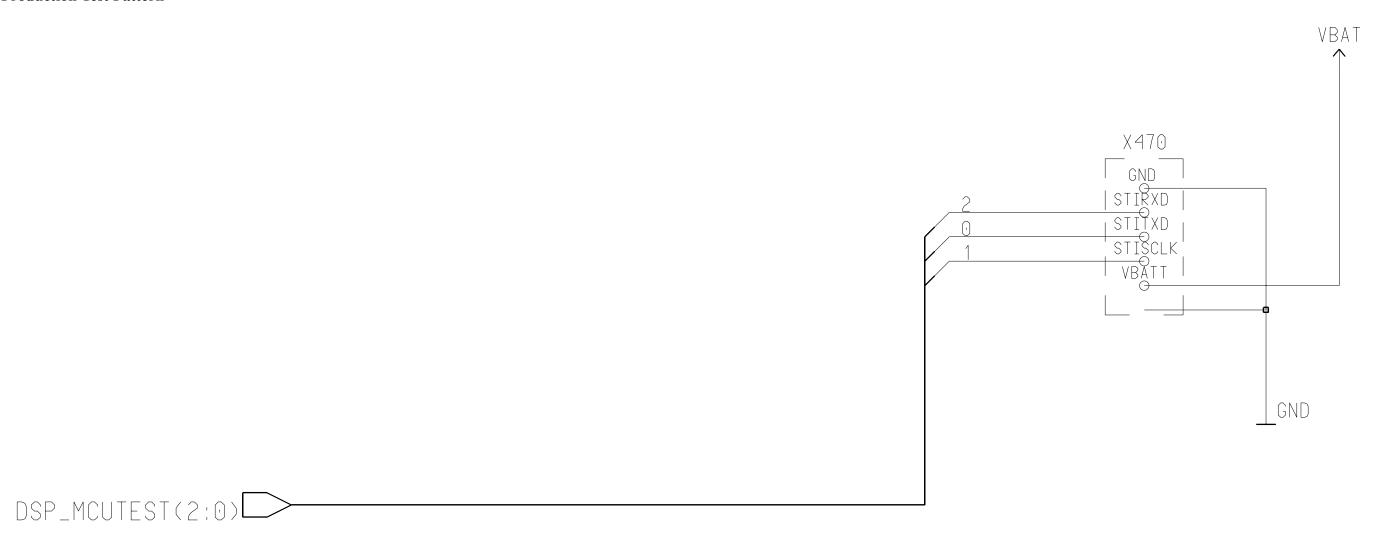




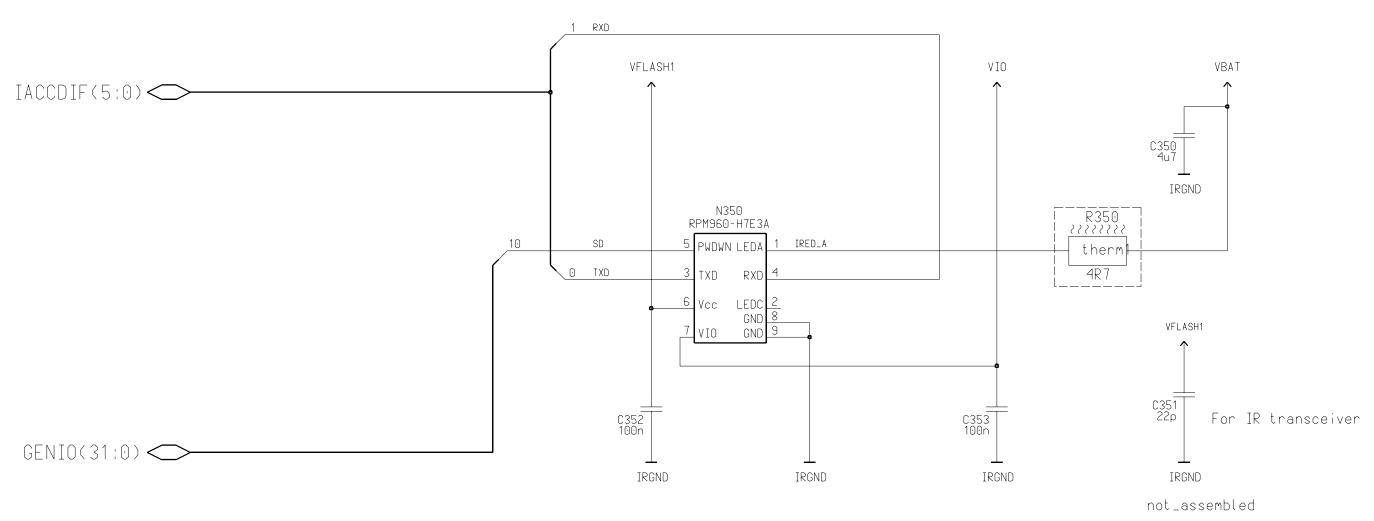
Ostrich Emulator Connector



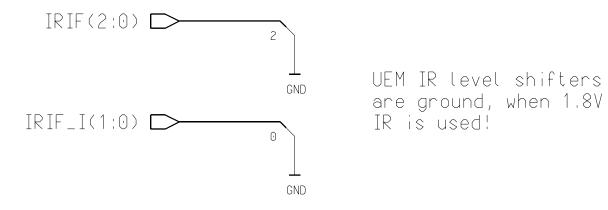
Production Test Pattern



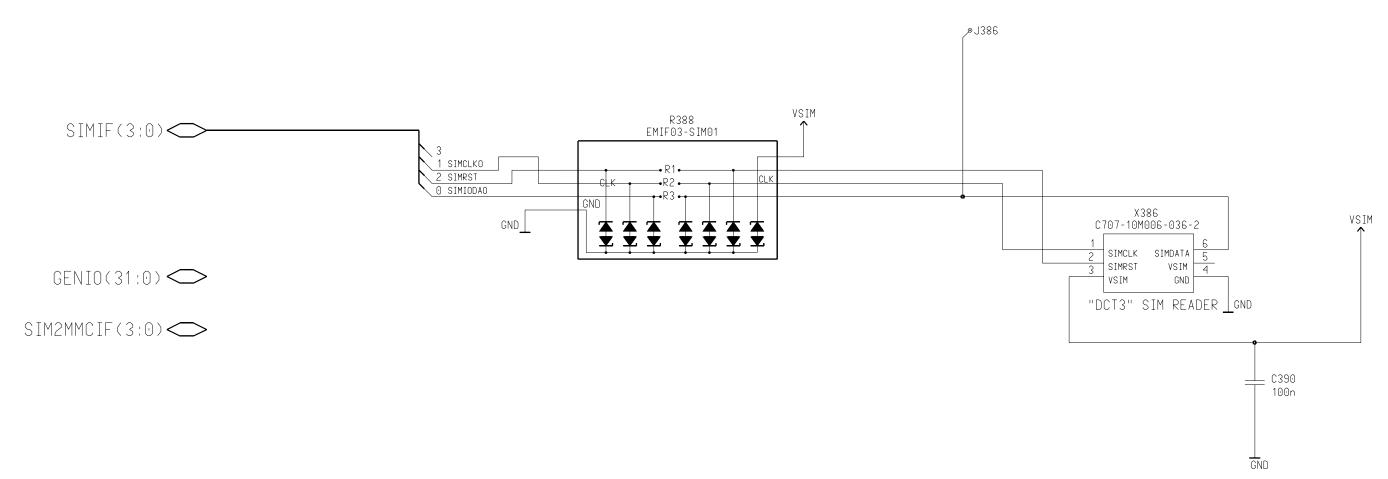
IR



GPIO(31:0) <

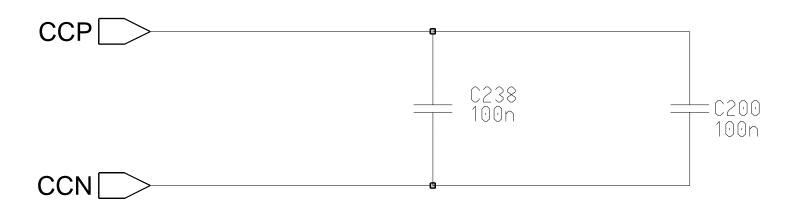


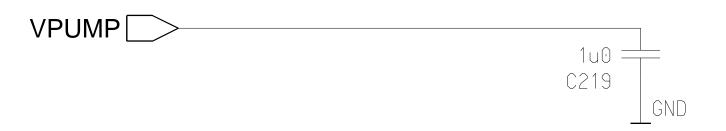
Sim Reader

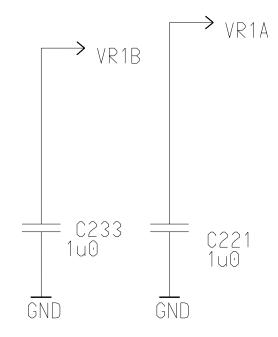


Power Discrete

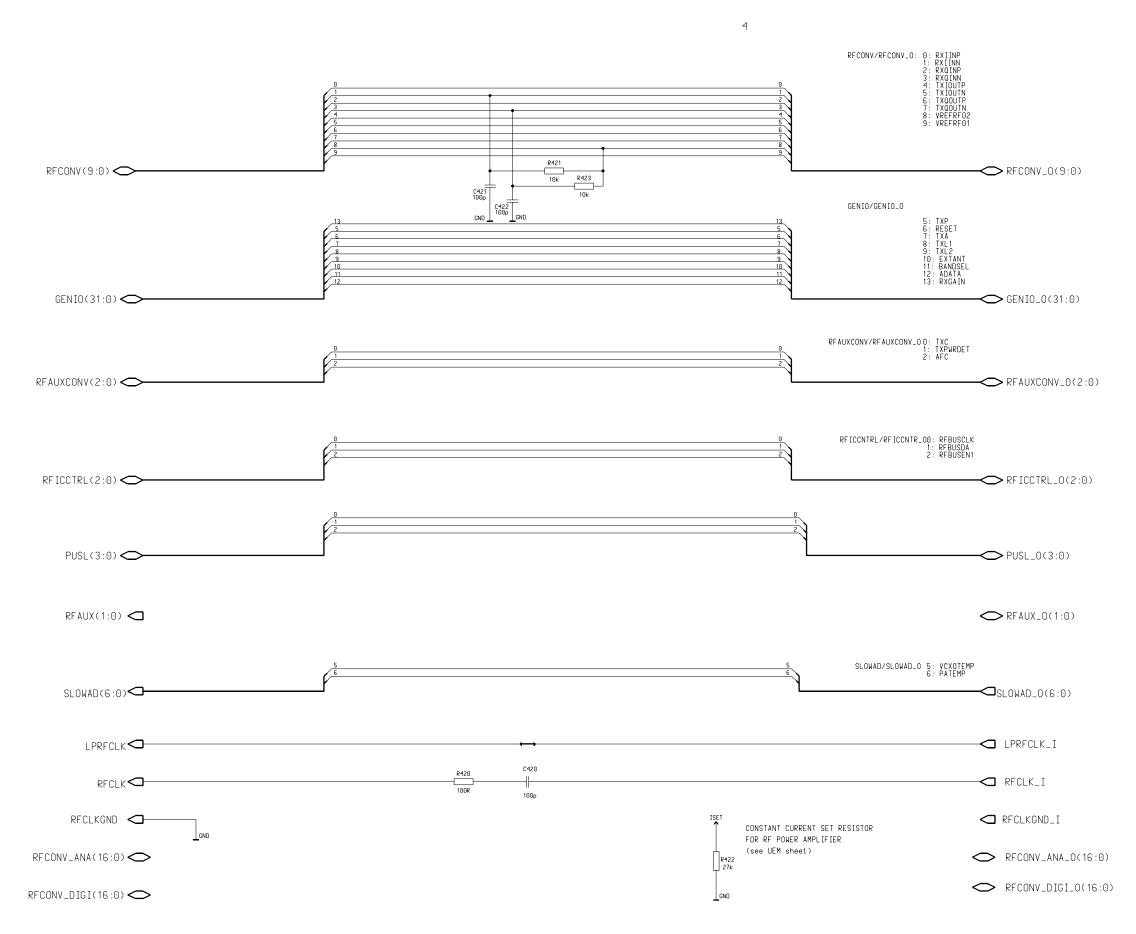








RF and BB Interface



IPA1 AND IPA2 ARE USED IN RF, THE TOLERANCE OF R422 IS 1% (0402, 1430873)